

Purchase Order Receipt Listing

Wednesday, January 11, 2017 9:22:03 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO34861 All Receipt Dates All Line Item Types
All Item ID/GL/ WOs All Rec. Employees All Currencies
Grounded by Vendor ID

Purchase Order ID/ Curr Type		Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt	
PO ID	PO34861	No	VC-COP001	Thyssenkrupp Materials CA Ltd	M303R0.500 f	1/12/2017	1/11/2017	12.0000	\$3.41	0.0000	0	\$40.96	
PO ID	PO34861	No		303 Round Bar 0.500" f	m136568	12.0000	PLOU01		\$40.96	0.0000	0		
PO ID	PO34861	No		M304R0.375 f	304 ROUND BAR f	0.375	1/12/2017	1/11/2017	12.0000	\$3.41	0.0000	0	\$40.96
PO ID	PO34861	No		m136568	M304R1.000 f	304 round bar 1.00 f	1/12/2017	1/11/2017	12.0000	\$40.96	0.0000	0	
PO ID	PO34861	No		m136568	M304S18GA sf	304/316 .050 Sheet sf	1/12/2017	1/11/2017	80.0000	\$2.97	0.0000	0	\$237.54
PO ID	PO34861	No		m136568	M304S20GA sf	304/316 .040 Sheet sf	1/12/2017	1/11/2017	64.0000	\$3.17	0.0000	0	\$202.79
PO ID	PO34861	No		m136568	M6061T6B1.000X04. f 000	6061-T6 Bar 1.00 x f 4.00	1/12/2017	1/11/2017	12.0000	\$8.38	0.0000	0	\$100.55
PO ID	PO34861	No		m136568	M6061T6B2.000X01. f 250	6061-T6 Bar 2.00 x f 1.25	1/12/2017	1/11/2017	12.0000	\$5.36	0.0000	0	\$64.35
PO ID	PO34861	No		m136568	M6061T6R1.000 f	ROUND BAR 1.00" f	1/12/2017	1/11/2017	12.0000	\$3.41	0.0000	0	\$40.96

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Ceri Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID/	Vendor Name	VC-COP001	Thyssenkrupp Materials CA Ltd								
PO34861	10 CAD	M6061T6R1.250 6061-T6 Round Bar 1.250	f f m136568	1/12/2017 12.0000	1/11/2017 PLOU01		12.0000 \$40.96	\$3.41 0.0000	0.0000 0.0000	0 0	\$40.96

Total Received Quantity: 228.0000
 Total Qty to Inspect (PO U/M): 0.0000
 Total Reject Quantity: 0.0000
 Total Receipt Value: \$842.32
 Total Balance Due Quantity: 0.0000

BILL OF LADING

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

Ship To: (1)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7
 Tel: 613-632-9577 Fax: 613-632-1053

No: PEC 25195
 Ship Date 10Jan17 at 10:53 From PFW
 Probill
 Via VIM DELIVERY
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

BILL OF LADING

✓ 1) Our Order PEC- 3954- 1 Your PO # 34861
 STAINLESS STEEL ROUND BAR 303 STAINLESS
 .50" DIA X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
428558	605725	12 FT	1	8

✓ 2) Our Order PEC- 3954- 2 Your PO # 34861
 STAINLESS STEEL ROUND BAR 304L
 .375" DIA X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
166V	605726	12 FT	1	6

✓ 3) Our Order PEC- 3954- 3 Your PO # 34861
 STAINLESS STEEL ROUND BAR 304L
 1.00" DIA X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
409698	605727	12 FT	1	33

✓ 4) Our Order PEC- 3954- 4 Your PO # 34861
 STAINLESS STEEL SHEET 304-2B
 .0480 Nom X 48.0000" X 120.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
2170514	605629	80.00 SFT	2	154

✓ 5) Our Order PEC- 3954- 5 Your PO # 34861
 STAINLESS STEEL SHEET 304-2B
 .0360 Nom X 48.0000" X 96.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
AOA010-AAD	605630	64.00 SFT	2	92

Page: 1Continued

ALUMINIUM - LÁTON - CUIVRE - PLASTIQUE - ALIER INOX
 ALUMINIUM - ALUMINUM - COPPER - PLASTICS - STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

SP 140-11

B I L L O F L A D I N G

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

Ship To: (1)
 DART AEROSPACE

No: PEC 25195

Ship Date 10Jan17 at 10:53 From PFW
 Probill
 Via VIM DELIVERY
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhicle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE

B I L L O F L A D I N G

6) Our Order PEC- 3954- 6 Your PO # 34861

ALUMINUM FLAT BAR 6061-T6511
 1.00" x 4.00" X 144.0000"

Heat Number Tag No
 201617200 605728

Quantity PCS Wt LBS
 12 FT 1 57

MTR

7) Our Order PEC- 3954- 7 Your PO # 34861

ALUMINUM FLAT BAR 6061-T6511
 1.250" x 2.00" X 144.0000"

Heat Number Tag No
 201617706 605729

Quantity PCS Wt LBS
 12 FT 1 36

MTR

8) Our Order PEC- 3954- 8 Your PO # 34861

ALUMINUM FLAT BAR 6061-T6511
 2.00" X 8.00" X 48.0000"

B/O

3/0

9) Our Order PEC- 3954- 9 Your PO # 34861

ALUMINUM ROUND BAR 6061-T6511
 1.00" DIA X 144.0000"

Heat Number Tag No
 199496-12 605730

Quantity PCS Wt LBS
 12 FT 1 11

MTR

10) Our Order PEC- 3954- 10 Your PO # 34861

ALUMINUM ROUND BAR 6061-T6511
 1.250" DIA X 144.0000"

Heat Number Tag No
 201615894 605731

Quantity PCS Wt LBS
 12 FT 1 17

MTR

11) Our Order PEC- 3954- 11 Your PO # 34861

ALUMINUM SHEET 6061 T6
 .0810 Nom X 48.0000" X 96.0000"
 B/O

SPT-A-11

Page: 2Continued

ALUMINUM - LAITON - CUIVRE - PLASTIQUE - ACIER INOX
 ALUMINUM - BRASS - COPPER - PLASTIC - STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

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B I L L O F L A D I N G

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 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

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 Probill
 Via VIM DELIVERY
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 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE

Ship To: (1)
 DART AEROSPACE

B I L L O F L A D I N G

***UNE SURCHARGE D'ENERGIE DE \$25.00
 SERA AJOUTEE A CHAQUE COMMANDE.***
 ***POUR VOS BESOINS D'ACIER INOXYDABLE,
 CONTACTEZ-NOUS. NOUS L'AVONS! TEL. 800-926-2600

Page: 4 Last

ALUMINIUM - LITHIUM - CUIVRE - PLASTIQUE - ACIER INOX
 ALUMINUM - LITHIUM - COPPER - PLASTICS - STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
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THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 303 STAINLESS
.50" DIA X 144.000"
PART NO.

PO/Ref 34861

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-025195-001

10Jan17

Pg 1/2

Signed by:



Acciaierie Valbruna S.p.A.

36100 VICENZA (Italia) - Viale della scienza, 25 z.i.
Telefono 0444.988211 - Fax 0444.983836
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4/37
Telefono 0471.924111 - Fax 0471.924497

CERTIFICATO DI COLLAUDO - ABNAHMEPRUEFZEUGNIS - INSPECTION CERTIFICATE - CERTIFICAT DE RECEPTION

In conformità a : EN 10204 (2004) , 3.1

Certificato nr. MEST955824 / 2016 /
Prüfung/Inspektion

Cliente / Besteller/Purchaser/Client
VALBRUNA CANADA LTD
8724 HOLGATE CRESCENT
L5T 5Z1 - MILTON, ONT L5T 5Z1 - CA

Stato di fornitura : Hot rolled - Annealed Cold Drawn
Lieferumfang
Delivery state
Etat de livraison

Produttore :
Heraeus/Hersteller/Usine productrice

STABILIMENTO DI BOLZANO

Ordine nr: 608005939 Stock - Canada
Bestell
Your order
Commande

Tipo di Elaborazione: E+AOD
Energiedurchgang
Melting process
Mode d'élaboration

Marchi di Fabbrica:
Zeichen des Lieferanten
Trade marks
Singes de l'usine productrice



Conferma ordine nr: EI16008423
Verifica Our Order/Our
Vérification de notre commande

Qualità:
Werks-/Fabrik-/Fabriken
Qualité

Punzione del Collaudatore:
Stampa des Werkzeugkontrollen
Inspector's stamp/Portée de l'inspecteur

Avviso di Spedizione: D-BZ16007820
Lieferanweisung/Packing list/L

Marca: MV188ZHS MAXIVAL
Markenbezeichnung
Brand / Marca

Punzonatura: 303HS
Kennzeichnung
Mering
Marque

SPECIFICHE :

Note:

Anforderungen / Requirements / Exigences

Aufzeichnungen / Notes / Notes

VSI C 303 HS A,CF

AISI 303

AMS 5640 V S30300 A

AMS 5640 V TYPE1 A

ASME SA320 2015 B8F (0)

ASTM A314 2015 S30300

ASTM A320 2015A B8F (1)

ASTM A370 2015

ASTM A582 2012 S30300 A

MIL-S-862 B/1 303

QQ-S-764 B/2 303 A

(0)SECTION II PT.A 2015 EDITION Chemical analysis only.

(1)Chemical analysis only.

DAS
14
9-89
17/10/12

		Tolleranza: ASTM A484-16 TABLE 7								
		Tolleranza/Allowance/Tolerancia								
Pos. nr. Pos. n. Num. de pos.	Oggetto Objekt Produkt Objet de produit	Dimensioni - In Abmessungen Dimensions Dimensions			Lunghezza - In Länge Long Largura	Colata Schmelze Melt Coulée	Pezzi Stücke Pezzi Pezzi	Peso - LB Gewicht Peso Poids	Lotto nr. Lotto n. Lote nr. Lot nr.	
0010	Round	0,5000			146/ 146	428558		2.105	612201700	

TEST ALLO STATO DI FORNITURA										
Test on delivery condition Prüfung auf lieferbereitem produkt test a l'état de fourniture Prueba sobre al material así como entregado										
1) Lunghezza/Abmessung, Testverordnungen, CT/Length/Dimensions, Test regulations, CT										
TEST	Provvedi/ Prüfen Speciale/ Special Long. Diam. Spess. Länge (Durchm.) Dicke Welt. Diam. Testverordn. Long. diam. spess. zul.	°F	Peso Saggio Durchmesser Untersuchung Weight Sample Diameter	Stiravimento Abzug Scherzug Tensile Strength Rm kN	Stiravimento Abzug Scherzug Tensile Strength Rm kN	Zeigleistung Vorlast Resistenza a trazione Rm kN	Allungamento Ausdehnung Elongation Allongement	E 4d %	Stizione Biegeprüfung Bending Resistenza Biegefestigkeit Impact Impact Resistenza Impact %	Durezza Härte Härte Dureza HB
Valori richiesti	min max									
A	8.75	68	L	88		110		25	49	140 255

Mechanical properties according to ASTM A370.

Analisi chimica										
Chemische Zusammensetzung/Chemical Analysis/analyse chimique										
Coleto /Weiss Schmelze/Coulée	max 0,030 max 0,030	0,26 1,00	1,50 2,00	17,90 19,03	- 0,80	9,00 1,00	- 10,00	- 0,100	9,32 0,4000	- -
C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	Zr %
428558	0,036	0,43	1,83	17,75	0,55	0,61	8,12	0,103	0,32	0,0044

Produced without class I-II Ozone depleting substances.
Solution heat treated free from continuous carbide network.
Micro and macro etch test : OK
Reduction ratio = 176,7 : 1
Annealing temperature : 1960° F for 0.5h/water.
Material is DFARS Compliant

Bolzano, 15/11/16 BBL06 - MEST955824 (Mod. MCE2)	Il collaudatore di stabilimento / der Werkzeugkontrollen / Works inspector / L'agent d'usine M. Rizzotti	Pagina - 1 di 2
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THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 303 STAINLESS
.50" DIA X 144.000"
PART NO.

PO/Ref 34861

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-025195-001

10Jan17

Pg 2/2

Signed by:



Acciaierie Valbruna S.p.A.

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In conformità a: EN 10204 (2004), 3.1

Certificato nr. MEST955824 / 2016 /
Prüfungsergebnis

Cliente / Besteller/Purchaser/Client
VALBRUNA CANADA LTD
8724 HOLGATE CRESCENT
L5T 5Z1 - MILTON, ONT L5T 5Z1 - CA

Stato di fornitura: Hot rolled - Annealed Cold Drawn
Lieferzustand: Annealed
Delivery state: Etat de livraison

Produzione:
Herrstellung/Usine production

STABILIMENTO DI BOLZANO

Ordine nr. 608005839 Stock - Canada
Bestell
Your order
Commande

Tipo di Elaborazione: E+AOD
Erhitzungsverfahren:
Melting process:
Mode d'élaboration:

Marchi di Fabbrica:
Zeichen des Lieferanten:
Trade marks:
Sigles du fabricant productrice



Conferma ordine nr.: EI16008423
Werks/Our Order Ref.:

Qualità: 303HS

Punzone del Colleudore:
Stempel des Werkzeugverantwortlichen:
Inspector's stamp/Point de l'inspecteur

MR

Avviso di Spedizione: D-BZ16007820
Lieferanzeige/Packing info/L.

Marca: MV188ZHS MAXIVAL
Markenbezeichnung:
Brand / Nuance

Punzonatura: 303HS
Kennzeichnung:
Marking:
Marquage

Sono state soddisfatte tutte le condizioni richieste
Die gesuchten Anforderungen sind erfüllt.
The material has been furnished in accordance with the requirements
Le material il été livré conformément aux exigences

Controllo antimescolanza: OK
Verarbeitungsprüfung: spektroanalytisch durchgeführt:
Annealing testing performed: OK
Controle antimenghe fMRI: OK

Controllo visivo e dimensionale: soddisfa le esigenze
Blickprüfung und Ausmessung: ohne Beeinträchtigung
Visual inspection and dimensional check: satisfactory
Contrôle visuel et dimensionnel: satisfaisant

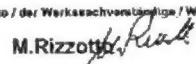
Melted and manufactured in Italy

No welding or weld repair Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER ACCORDING TO ISO 9001 : 2008, ISO/TS 16949 : 2009, AS 9100C

The Quality Management System is Certified acc. Pressure Equipment Directive 1977/23/EC Annex 1, a. 4.3 and 2014/68/EU by TUEV and LLOYD'S.
Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.
Maxival and/or Valplus grades/products are manufactured with ladle techniques to control composition, distribution, size and shape of non-metallic inclusions for improved machinability.
The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

Bolzano, 15/11/16
BBL006 - MEST955824
(Mod. MCE2) 

Il collaudatore di stabilimento / der Werksachverständige / Works inspector / L'agent d'usine

Pagina - 2 di 2

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 304L
1.00" DIA X 144.0000"
PART NO.

PO/Ref 34861

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-025195-003

10Jan17

Pg 1/1

Signed by: 

Laredo 100 (V/ZCAYA) España
P.O. Box 1.323/48080 Bilbao
Tel 34-(4) 471 10 00
Fax 34-(4) 453 16 36

Management Systems
Certified by
LRQA
ISO 9001 / SG1 6G00349
ISO 14001 / SG1 18/0676

THYSSENKRUPP MATERIAS NA
2821 LANGSTAFF ROAD.
CONCORA - ONTARIO L4K 5C6 - CANADA

ACEROS INOXIDABLES

OLARRA

Trade Mark - Zeichen des Lieferwerkes
Anagrama del suministrador
Works Inspector Stamp - Werkssachverständiger
Sello del Inspector

Certificate type APZ Nach Certificado tipo	EN 10204/3.1	Certificate n° - Prüf-Nr Certificado n°	268710	Date - Datum - Fecha 13 - 04 - 2016
Our order N° Werks - Nr Nº de Referencia	601633	Heat Schmelze Caleada	409698	Your order N° Bestell - Nr Pedido N° PEC-272590-T
Steel Grade Werksstoff Calidad	AISI-304-L MECAMAX			According to Entsprechend Corresponde ASTM A 479 / A 479M-15.
Shape and Size - Gegenstad Perfil y Dimension ROUND 1"		Tolerance - Toleranz Tolerancia ASTM A 484 / TB.7	Bundles Bunde Bultos 2	Bars Stäbe Bandas Weight Gewicht Peso 2496 Lbs
ASME SA 479 / SA 479M-13 ASTM A 276-15 ASTM A 182 / A 182M-15. ASME SA 182 / SA 182M-13 ASTM A 193/A 193M-15.B8 CLASS.1. ASME SA 193/SA 193M-13 B8 CLASS.1. SAE AMS 5647J-11. SAE AMS 5639H-02. NACE MR-0175/ISO 15156-3 2009. AMS QQS 763D-15 COND.A.	Requirements - Anforderungen - Exigencias EN 10.088-3.2014. EN 10.272-2007. Type 304-1.4301-1 4307. PED 97/23/EC, Annex I, Parag.4.3/DGR 97/23/EG Anhang I Absatz 4.3 Certificate/Zertifikat Nr. 348/2008/MUC			DAS 14 9-86 17/01/12

Melting process / Eischmelzungsart / Proceso de Fusión E.A.F. / A.O.D.	Heat treatment / Wärmebehandlung / Tratamiento térmico 1050C 4H/Std WATER/WASSER/AGUA
Solution annealed/Abgeschreckt/Hipertemper-Turned/Drehen/Torneado-Polished/Pollert/Pulido-	

Test results - Ergebnis der Prüfungen - Resultados de los ensayos									
Dimension of Specimen Abmessungen des Probestabes Medida de las probetas		Rp0,2% KSI	Rp 1% KSI	Rm KSI	A %L 5D	A %L 4D	Z %	Hardness HBrw	Impact test / Kersbeschlag / Resiliencia ISO V. fl. lb
RD. 12,50 mm.	Min.	25		70		40	50		
	Max.								
Temperature °C 20	Spec. N° 1	53	58	94		54	74	187	
	Proba Nr. Pro N°.								

C	Si	Mn	P	S	Cr	Mo	Ni	Cu	N	Co
Min.					18,00		8,00			
Max.	0,030	1,00	2,00	0,045	0,030	20,00		12,00		0,1000
	0,018	0,32	1,43	0,040	0,029	18,00	0,32	8,00	0,37	0,0855 0,14

Visual and dimensional inspection Besichtigung und Ausmessung O.K. Control visual y dimensional	Radioactivity inspection Radioaktivitätskontrolle Control de Radioactividad	Antimixing test Spektroskop Verwechslungspr. O.K. Antimezcla	Grain Size Korngrösse Tamaño de grano
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Remarks - Bemerkungen - Observaciones Free From Mercury contamination/Quecksilberfreiheit. No weld repair.	EDV / EDP Acc. EN 10.204 Marian Tejedo Quality Mng. Works Inspector Der Werkssachverständige Inspector de fábrica
--	---

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET 304-2B

.0480 Nom X 48.0000" X 120.0000"

PART NO.

PO/Ref 34861

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Certificate of Mill Test Results

BL PEC-025195-004

10Jan17
Pg 1/1

产品质量证明书 MATERIAL TEST CERTIFICATE

无锡宝昌金属制品有限公司
Wuxi Baochang Metal Products Co.,Ltd
PAGE 2 OF 3

订 单 号 码: BCGSC1110163
Order No.
订 购 方: GLOBAL STAINLESS STEEL, INC.
Order
使 用 厂 家: GLOBAL STAINLESS STEEL INC.
CONSIGNEE

标 准: ASTM A240/A240M
Specification
拉伸试验
Tensile Test
屈服强度
Yield Strength
抗拉强度
Tensile Strength
延伸率
EL
Hardness
HRB≤90
牌 号: 304
Type
表 面 加 工: 2B
Surface Finish
编 号: BCGSC11063
Invoice No.
发行日期: 2011-11-21
Date

化 学 成 分									
Chemical Composition (%)									
序号 No.	货物编号 Product No.	厚度 MM	宽度 MM	长度 MM	数量 Number	重量 Kg	屈服强度 N/mm ² ≥ 205	抗拉强度 N/mm ² ≥ 520	延伸率 %≥45
1	11112105	0.21-0.76	1219	3048	110	2280	302	678	34
2	11112106	0.81-0.9	1219	3048	65	2249	279	645	56
3	11112107	1.1-1.2	1219	3048	54	2234	300	665	64.5
4									
5									
6									
7									
8									
9									
10									

兹证明所列产品均符合订单和标准的制造要求

TECHNICAL DEPT.

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN
HAS BEEN MADE IN ACCORDANCE WITH THE ORDER AND
SPECIFICATION
*此报告仅可完全复制

无锡宝昌金属制品有限公司
WUXI BAOCANG METAL PRODUCTS CO., LTD

备注 (Remarks):
1. 尺寸和表面: 合格
Size and Surface: Guaranteed

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
1.250" x 2.00" X 144.0000" PART NO-



Service Center Metals

5850 Quality Way
Prince George, VA 23875



OUR ORDER NUMBER	ITEM
278856	13

Can Be.
 BILL TO ThyssenKrupp Materials NA-Concord ON
 Ship To ThyssenKrupp Materials NA-Concord ON
 Quantity Certified 4,135 lbs 116 pcs
 MANIFEST NUMBER 314603
 DATE OF SHIPMENT 1/12/2016
 CUSTOMER NO. PEC-279340
 ACCOUNT NUMBER 6061-T6511
 DESCRIPTION D Schroeder (Canada)
 CUSTOMER PART NUMBER MRB1792
 MRB# 1.250x2.000

CERTIFICATION
 ASTM-B221-14 StencilCont
 SPECIFICATION
 AMS-QQA-200/8 Rev-A

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6.

Mechanical Properties

Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
10/13/16	min 51.40 max 51.90	min 47.90 max 48.60	min 15.15 max 17.25

DAS
14
9-89
17/01/12

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others	Each	Total	Melt Source
1K160930C	201617706	6061	0.74	0.37	0.33	0.10	0.88	0.10	0.03	0.03	97.41	0.05	0.15	United States of America	
1K160930Y	201617706	6061	0.74	0.37	0.32	0.10	0.88	0.09	0.03	0.03	97.44	0.05	0.15	United States of America	
1K161006D	201617706	6061	0.72	0.37	0.31	0.10	0.90	0.10	0.03	0.03	97.43	0.05	0.15	United States of America	

PO#Ref 34861
We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

Signed by: _____

Certificate of Mill Test Results
BL PEC-025195-007
10Jan17
Pg 1/1

Print Date: 11/21/2016

THYSSENKRUPP MATERIALS NA
DART AEROSPACE
ALUMINUM ROUND-BAR 6061-T6511
1.00" DIA X 144.0000"
PART NO.

1.00" DIA X 144.0000
 PART NO.

We certify that this is a true copy of the report
 furnished by the producer of the metal, or data
 resulting from tests made in approved labs.

EXTRUDEX
ALUMINUM CORP.

TEL: (416)745-4444 FAX:(416)745-0925 1-800-668-7210
 411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4
<http://www.extrudex.com>

MILL TEST

BILL TO	CERT CODE:	DATE NUMBER	DATE OF SHIPMENT	EXTRUDEX ORDER NO.	MANIFEST NO.
THYSSENKRUPP MATERIALS,NA	9	S 9599	Nov11/2016	199496 - 12	360252
SHIP TO	CUSTOMER PO	STOCK	SALESMAN		
THYSSENKRUPP MATERIALS,NA	PEC-278674	6061	T6511	FORBES DODWELL	MADE IN CANADA
SO DESCRIPTION	CUSTOMER PART NUMBER	PART DESCRIPTION		ASTM B221-14 - AMS QQA 2008	
1" DIA	9599-S	1" DIA			

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (kSI)	Yield Strength (kSI)	Percent. Elongation	Hardness Rockwell E	Conductivity
A.11	6061	Nov/09/2016	44.40	40.70	17.00	89.6,89.7,89.9	

Chemical Composition

Cast Number	Lot	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ge	V	B	Zr	Bi	Rh	Sn	Si	Co	Al	Other
3B4234	A.11	6061	0.6	0.15	0.2	0.03	0.86	0.07	0	0.01	0.01	0	0	0	0	0	0	0	0	0	0	

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

DAS
 14
 9-89
 17/10/12

Certificate of Mill Test Results
 BL PEC-025105-009
 10Jan17
 Pg 1/1

Signed by:

PO#E1 34861

David Natale
 Quality Control Manager

1 - CUSTOMER COPY

THYSSENKRUPP MATERIALS NA
DART AEROSPACE
ALUMINUM ROUND BAR 6061-T6511
1.250" DIA X 144.0000"
PART NO.

We hereby certify that this is a true copy of the report
 furnished by the producer of the metal, or data
 resulting from tests made in approved labs.

**CERTIFIED INSPECTION REPORT AND TEST RESULTS
 FOR EXTRUDED PRODUCTS**



Service Center Metals

5850 Quality Way
 Prince George, VA 23875

Can Do.

BILL TO
 ThyssenKrupp Materials NA-Concord, ON
SHIP TO
 ThyssenKrupp Materials NA-Concord, ON
Quantity Certified 2,129 lbs 123pcs

MANIFEST NUMBER 309098
PO NUMBER RD0008
ALLOWABLE TEMPERATURE 6061-T6511
CUSTOMER PO PEC-277595
CUSTOMER PART NUMBER RD0008
DESCRIPTION Lightning Rod Tite 1.250 +.005/-0.004

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6. This product is RoHS-2, REACH, and DFARS compliant.

Mechanical Properties

Tests

Lot No.

Test	Lot No.	Test Date	Ultimate Tensile Strength [KSI]		Yield Strength [KSI]		Percent Elongation	
			min	max	min	max	min	max
12	201615894	9/14/16	47.10	48.10	44.20	45.60	17.65	20.10

DAS
 14
 9-89
 17/01/12

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Others	Total	Melt Source:
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09051605	201615894	6061	0.76	0.34	0.30	0.09	0.84	0.10	0.06	0.02	97.49	0.05	0.15	United States of America
----------	-----------	------	------	------	------	------	------	------	------	------	-------	------	------	--------------------------

Certificate of Mill Test Results
 BL PEC-025195-010
 10Jan17
 Pg 1/1

10Jan17
 Pg 1/1

Print Date: 9/29/2016
 Rev 2016

THYSSENKRUPP MATERIALS NA
DART AEROSPACE
 ALUMINUM FLAT BAR 6061-T6511
 4.00" x 4.00" x 144.00001
 PART NO.

We hereby certify that this is a true copy of the report
 furnished by the producer of the metal, or data
 resulting from tests made in approved labs.

Signed by: _____

BL PEC-025195-006

10Jan17
 Pg 1/1

**CERTIFIED INSPECTION REPORT AND TEST RESULTS
 FOR EXTRUDED PRODUCTS**



Service Center Metals
 5850 Quality Way
 Prince George, VA 23875



OUR ORDER NUMBER	272639
ITEM	5

BILL TO
 ThyssenKrupp Materials NA-Concord, ON
SHIP TO
 ThyssenKrupp Materials NA-Concord, ON
Quantity Certified 7,752 lbs 136 pcs
CUSTOMER PO PEC-277638
CUSTOMER PART NUMBER MRB1795
DESCRIPTION MQRB 1.000x4.000

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6. This product is RoHS-2, REACH, and DFARS compliant.

Mechanical Properties
Tests
Lot No.

Test Date	Ultimate Tensile Strength (KSI)		Yield Strength (KSI)		Percent Elongation	
	min	max	min	max	min	max
10/10/16	48.10	52.30	44.60	49.10	15.50	19.75

DAS
 14
 9.89
 17/10/16

CERTIFICATION
 ASTM B221-14 StencilCont
 SPECIFICATION
 AMS-QQA-200/8 Rev-A

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mo	Cr	Zn	Ti	Al	Each	Others Total	Melt Source
09301604	201617200	6061	0.72	0.37	0.31	0.11	0.86	0.08	0.06	0.02	97.47	0.05	0.15	United States of America
1M160926C	201617200	6061	0.76	0.37	0.32	0.10	0.89	0.10	0.04	0.03	97.40	0.05	0.15	United States of America

Print Date: 10/12/2016

SCM products are melted and extruded in the USA

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M304S18GA
 DATE: 17/01/11

PO / BATCH NO.: PO34861 / 13656Y

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 80
 QUANTITY INSPECTED: 80
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .050
 THICKNESS RECEIVED: .047
 SHEET SIZE ORDERED: 4x10
 SHEET SIZE RECEIVED: 4x10

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/>	
CORRECT FINISH	Y <input checked="" type="radio"/>	N
CORROSION	Y <input checked="" type="radio"/>	N
CORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/>	N
CORRECT MATERIAL	Y <input checked="" type="radio"/>	304
CORRECT THICKNESS	Y <input checked="" type="radio"/>	.047
PHOTO REQUIRED	Y <input checked="" type="radio"/>	
CORRECT MATERIAL	Y <input checked="" type="radio"/>	ASTM A240
CORRECT REF # TO LINK CERT	Y <input checked="" type="radio"/>	Heat # 2170514
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="radio"/>	M304S18GA
CORRECT M# ON THE MATERIAL	Y <input checked="" type="radio"/>	M136568
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DURA	DUR D	

testers located in the Quality Office

QC 1B INSPECTION	TESTER	ENGINEERING SIGNOFF (if required)
INSPECTED BY:	<u>48</u> <u>9-89</u>	SIGNED OFF BY: _____
DATE:	<u>17/01/11</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M 304S20GA
 DATE: 17/01/11

PO / BATCH NO.: PO 34861 / M 136568

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 64
 QUANTITY INSPECTED: 64
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .040
 THICKNESS RECEIVED: .036
 SHEET SIZE ORDERED: 4x8
 SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> <input type="checkbox"/> N	304
CORRECT THICKNESS	<input checked="" type="checkbox"/> <input type="checkbox"/> N	.036
PHOTO REQUIRED	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> <input type="checkbox"/> N	ASTM A240
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> <input type="checkbox"/> N	Heat # A0A010 - AAD
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	M 304S20GA
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> <input type="checkbox"/> N	136568
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> <input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DURA	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	DAS	ENGINEERING SIGNOFF (if required)
INSPECTED BY: _____	40 48 9 9.89	SIGNED OFF BY: _____
DATE: 17/01/11		DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M16061T4RI.250
 DATE: 17/01/12

PO / BATCH NO.: 348611/1365618

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: _____

THICKNESS ORDERED: 1.250
 THICKNESS RECEIVED: 1.250
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/>	
CORRECT FINISH	Y <input type="radio"/>	
CORROSION	Y <input checked="" type="radio"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/>	
CORRECT MATERIAL	Y <input checked="" type="radio"/>	
CORRECT THICKNESS	Y <input checked="" type="radio"/>	
PHOTO REQUIRED	Y <input checked="" type="radio"/>	
CORRECT MATERIAL	Y <input checked="" type="radio"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="radio"/>	
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="radio"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="radio"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	DAS	14	9.89	ENGINEERING SIGNOFF (if required)
INSPECTED BY:				SIGNED OFF BY: _____
DATE:	17/01/12			DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M303 RO.500
 DATE: 17/01/12

PO / BATCH NO 34861/136568

MATERIAL CERT REC'D yes
 QUANTITY RECEIVED 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED _____

THICKNESS ORDERED .500
 THICKNESS RECEIVED .500
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/>	N
CORROSION	Y <input checked="" type="checkbox"/>	N
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/>	N
CORRECT MATERIAL	Y <input checked="" type="checkbox"/>	N
CORRECT THICKNESS	Y <input checked="" type="checkbox"/>	N
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT MATERIAL	Y <input checked="" type="checkbox"/>	N
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/>	N
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/>	N
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/>	N
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC:18 INSPECTION	DAS	ENGINEERING SIGNOFF (if required)
INSPECTED BY:	14 9-99	SIGNED OFF BY: _____
DATE:	17/01/12	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M304 RD.375
 DATE: 17/01/12

PO / BATCH NO 34861136568

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12
 QUANTITY INSPECTED: 12
 QUANTITY REJECTED: _____

THICKNESS ORDERED: .375
 THICKNESS RECEIVED: .375
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/>	
CORRECT MATERIAL	Y <input checked="" type="checkbox"/>	
CORRECT THICKNESS	Y <input checked="" type="checkbox"/>	
PHOTO REQUIRED	X <input checked="" type="checkbox"/>	
CORRECT MATERIAL	Y <input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

QC 18 INSPECTION	DAS	14	9-89	ENGINEERING SIGNOFF (if required)
INSPECTED BY:				SIGNED OFF BY: _____
DATE:	17/01/12			DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M304 R1.000
 DATE: 17/01/12

PO / BATCH NO 34861136568

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED 12
 QUANTITY INSPECTED 12
 QUANTITY REJECTED: _____

THICKNESS ORDERED: 1.000
 THICKNESS RECEIVED: 1.000
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/>	N
CORROSION	Y <input checked="" type="checkbox"/>	N
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/>	N
CORRECT MATERIAL	Y <input checked="" type="checkbox"/>	304
CORRECT THICKNESS	Y <input checked="" type="checkbox"/>	1.000
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT MATERIAL	Y <input checked="" type="checkbox"/>	ASTM A276
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/>	HEATH 4109698
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/>	D304 R1.000
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/>	M304 568
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC-18 INSPECTION	DAS	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>14</u>	<u>9-89</u>	SIGNED OFF BY: _____
DATE: <u>17/01/12</u>		DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M6061T6 B1.00 X 4.00
 DATE: 17/01/12

PO / BATCH NO 34861/13652a8

MATERIAL CERT REC'D yes
 QUANTITY RECEIVED 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: _____

THICKNESS ORDERED: 1.00
 THICKNESS RECEIVED: 1.00
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	DAS	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>14</u> <u>9.89</u>		SIGNED OFF BY: _____
DATE: <u>17/01/02</u>		DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: H60L1T6B2.00X1.25
 DATE: 17/01/12

PO / BATCH NO.: 34861/136568

MATERIAL CERT REC'D YES
 QUANTITY RECEIVED 12
 QUANTITY INSPECTED: 12
 QUANTITY REJECTED: _____

THICKNESS ORDERED 1.250
 THICKNESS RECEIVED 1.250
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
CORRECT FINISH	<u>Y</u> N	
CORROSION	Y <u>N</u>	
CORRECT GRAIN DIRECTION	<u>Y</u> N	
CORRECT MATERIAL	Y <u>N</u>	
CORRECT THICKNESS	<u>Y</u> N	
PHOTO REQUIRED	Y <u>N</u>	
CORRECT MATERIAL	<u>Y</u> N	
CORRECT REF # TO LINK CERT	<u>Y</u> N	
CORRECT MATERIAL IDENTIFICATION	<u>Y</u> N	
CORRECT M# ON THE MATERIAL	<u>Y</u> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>N</u>	

TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW			
	HRC	HRB	DUR A	DUR D

testers located in the Quality Office

QC 18 INSPECTION	DAS	14	9-09	ENGINEERING SIGNOFF (if required)
INSPECTED BY:				SIGNED OFF BY: _____
DATE:	17/01/12			DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M6061T16 R1.00
 DATE: 17/01/12

PO / BATCH NO. 34861/136568

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: _____

THICKNESS ORDERED: 1.00
 THICKNESS RECEIVED: 1.00
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW			
	HRC	HRB	DUR A	DUR D

testers located in the Quality Office

QC 18 INSPECTION	DAS	14	9-09	ENGINEERING SIGNOFF (if required)
INSPECTED BY:				SIGNED OFF BY: _____
DATE:	17/01/12			DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO34861**

Purchase Order Date 1/6/2017
PO Print Date 1/6/2017

Page Number 1 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

JAN 06 2017

Contact Name	Buyer	Chantal Lavoie
Vendor Phone	Customer POID	
Ship To Contact	Customer Tax #	10127-2607
Ship To Phone	Terms	Net 30
Ship Via:	Currency	CAD
Ship Acct:	FOB	FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M303R0.500	303 Round Bar 0.500"	1/12/2017 Yes 1/12/2017		12.00 f	\$4.58	\$55.00
		MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582					
		NOTE: AISI 304/316 NOT ACCEPTABLE					
2	M304R0.375	304 ROUND BAR 0.375	1/12/2017 Yes 1/12/2017		12.00 f	\$4.58	\$55.00
		MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276					
		(NOTE: AISI 303 NOT ACCEPTABLE)					

SP14-01-11
Line Total: \$55.00

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
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Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO34861**

Purchase Order Date 1/6/2017

PO Print Date 1/6/2017

Page Number 2 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	VENDOR'S TRUCK	Currency	CAD
Ship Acct:		FOB	FCA - (Free Carrier)
3 M304R1.000	304 round bar 1.00	1/12/2017	0.00
		Yes	f
		1/12/2017	\$0.00
			\$0.00
MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276			
(NOTE: AISI 303 NOT ACCEPTABLE)			
M304R1.000		1/12/2017	12.00
		1/12/2017	f
			\$8.20
			\$98.35
4 M304S18GA	304/316 .050 Sheet	1/12/2017	80.00
		Yes	sf
		1/12/2017	\$3.99
			\$318.93
Line Total: \$98.35			
Line Total: \$318.93			

PURCHASE MATERIAL: AISI 304/316 SS SHEET

ANNEALED

SPECIFICATION: MIL-S-5059

OR AMS 5513 (304)

OR AMS 5524 (316)

OR ASTMA240

OR ASME SA240

SPH-01-11

Note:



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PURCHASE ORDER

Purchase Order ID **PO34861**

Purchase Order Date 1/6/2017
PO Print Date 1/6/2017

Page Number 3 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name		Buyer	Chantal Lavoie		
Vendor Phone	905 669 9444	Customer POID			
Ship To Contact		Customer Tax #	10127-2607		
Ship To Phone		Terms	Net 30		
Ship Via:	VENDOR'S TRUCK	Currency	CAD		
Ship Acct:		FOB	FCA - (Free Carrier)		
5 M304S20GA	304/316 .040 Sheet	1/12/2017	64.00	\$4.25	\$272.27
		Yes	sf		
		1/12/2017			
PURCHASE MATERIAL: AISI 304/316 SS SHEET ANNEALED SPECIFICATION: MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) ORASTMA240 QR ASME SA240					
6 M6061T6B1.000X04.000	6061-T6 Bar 1.00 x 4.00	1/12/2017	12.00	\$11.25	\$135.00
		Yes	f		
		1/12/2017			
MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221					
<i>Sgt-01-11</i>					
Line Total: \$272.27					
Line Total: \$135.00					
Line Total: \$135.00					

Note:



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PURCHASE ORDER

Purchase Order ID **PO34861**

Purchase Order Date 1/6/2017
PO Print Date 1/6/2017

Page Number 4 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	VENDOR'S TRUCK	Currency	CAD
Ship Acct:		FOB	FCA - (Free Carrier)
7 M6061T6B2.000X01.250	✓ 6061-T6 Bar 2.00 x 1.25	1/12/2017 Yes 1/12/2017	12.00 f ✓ \$7.20 \$86.40
<p>MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221</p> <p><i>SP17-d-11</i></p>			
8 M6061T6B2.000X08.000	6061-T6 BAR 2.00' X 8.00" (CUT IN 4FT SECTION)	1/12/2017 No 1/12/2017	8.00 f B10 \$51.68 \$413.40
<p>MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221</p>			
			Line Total: \$413.40

Note:



Dart Aerospace Ltd.
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PURCHASE ORDER

Purchase Order ID **PO34861**

Purchase Order Date 1/6/2017
PO Print Date 1/6/2017

Page Number 5 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name		Buyer	Chantal Lavoie		
Vendor Phone	905 669 9444	Customer POID			
Ship To Contact		Customer Tax #	10127-2607		
Ship To Phone		Terms	Net 30		
Ship Via:	VENDOR'S TRUCK	Currency	CAD		
Ship Acct:		FOB	FCA - (Free Carrier)		
9 M6061T6R1.000	ROUND BAR 1.00"	1/12/2017	12.00	✓	\$4.58 \$55.00
		Yes	f		
		1/12/2017			
MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221					
10 M6061T6R1.250	6061-T6 Round Bar 1.250	1/12/2017	12.00	✓	\$4.58 \$55.00
		Yes	f		
		1/12/2017			
MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221					
11 M6061T6S.080	6061-T6 .080 Sheet	1/12/2017	128.00	✓	\$3.99 \$511.00
		Yes	sf	310	
		1/12/2017			
MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209					

Note:



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PURCHASE ORDER

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Purchase Order Date 1/6/2017
PO Print Date 1/6/2017

Page Number 6 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

				Line Total:	\$511.00
12	M7075T6B7.000X2.000	7075-T6 BAR 7.000" X 2.000" (order in billets - 13.375")	1/12/2017	6.70	\$106.12
			Yes	f	\$711.00
			1/12/2017		

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

6 PCS CUT AT 13.375" = TO 6.70 FT

				Line Total:	\$711.00
13	M7075T6B3.000x04.000	7075-T6 BAR 3.000' X 4.000" grain along 3"	1/19/2017	12.00	\$82.50
			Yes	f	\$990.00
			1/19/2017		

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

NOTE: GRAIN DIRECTION ALONG 3"

CANCEL

Line Total: **\$990.00**

Note:



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PURCHASE ORDER

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Purchase Order Date 1/6/2017
PO Print Date 1/6/2017

Page Number 7 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444
Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA – (Free Carrier)

14	71401-45	PROCUREMENT QUALITY CLAUSES	1/12/2017	1.00	\$0.00	\$0.00
		No				
		Procurement Quality Clauses	1/12/2017			
		A005 right of entry				
		A012 chemical and physical test report				
		A016 personnel qualification				
		A017 raw material identification (as applicable)				
		A026 certification of material conformance				
		A041 quality management system				
		A042 dart notification by supplier				
		A043 retention of quality documents				

Line Total: \$0.00

PO Total: \$3,756.35



Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.